

10/518202
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In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (original) A portable gas-fired infrared heater comprising:
 - (a) a housing enclosing a burner assembly including a gas valve adapted to receive fuel from an associated fuel supply;
 - (b) said housing at least partially enclosing at least one fuel source;
 - (c) an oxygen depletion monitoring means associated with the burner assembly for automatically shutting off the burner assembly at a predetermined content of at least one gas selected from the group consisting of oxygen, carbon dioxide and carbon monoxide;
 - (d) at least one regulator interposed between said fuel source and said gas valve; and
 - (e) at least one means by which said fuel source and said regulator are moveable between a first use position and a second position in which said fuel source is replaced.
2. (original) The portable heater of claim 1 which further comprises
a flexible gas hose interposed between said regulator and said valve.
3. (original) The portable heater of claim 2 wherein said at least one means is
at least one pair of rails which telescope between said first and second positions.
4. (original) The portable heater of claim 2 wherein said at least one means is
at least one pair of rails which slide between said first and second positions.
5. (original) The portable heater of claim 3 which further comprises
a bracket for securing said regulator at the end of said rails.
6. (original) The portable heater of claim 4 which further comprises
a bracket for securing said regulator at the end of said rails.
7. (original) The portable heater of claim 2 which further comprises
a bracket for securing said regulator, said bracket fixedly secured within a hinged openable door
containing said fuel source.
8. (original) The portable heater of claim 2 which further comprises
a resilient inwardly-biased clip for positioning about the middle of said fuel source at least partially
contained within said housing; and
a U-shaped bracket for positioning about the neck of said fuel source.
9. (original) The portable heater of claim 2 which further comprises
an outer U-shaped bracket having a pair of arms attached to said frame and having at least one
aperture at an end of each arm;
an inner U-shaped bracket having a pair of arms attached to said frame and having at least one

aperture at an end of each arm; and
a cylindrical rod which penetrates through all said apertures in said brackets to permit hinged
swinging movement of said regulator which is fixedly secured within said inner bracket.

10. (original) The portable heater of claim 2 wherein said at least one means is
a swivelable regulator with a rotatable weighted clip affixed thereto, said weighted clip movable from
a first position which prohibit angular rotation of said regulator when said heater is in an
upright position to a second position which allows angular rotation of said regulator when said
heater is positioned on its back by rotation of said weighted clip into said second position.

11. (original) The portable heater of claim 1 wherein said at least one means is
a swivelable regulator rotatable between a pair of arms of a U-shaped bracket fixedly secured to
said housing of said heater,
said regulator having a gas exit port secured to one end of said bracket,
said regulator rotatable on said exit port side by sliding contact engagement with at least one O-ring
positioned within a first annular groove about a circumference of said exit port.

12. (original) The portable heater of claim 11 wherein said gas exit port further comprises
at least one second annular groove about a circumference of said exit port for a retaining screw.

13. (original) The portable heater of claim 1 wherein
said at least one fuel source is at least two one pound propane fuel tanks.

14. (original) The portable heater of claim 13 wherein
said at least one fuel source is completely enclosed within said housing.

15. (original) The portable heater of claim 14 wherein
said at least two one pound propane fuel tanks are completely enclosed within said housing.

16. (original) The portable heater of claim 15 which further comprises
a controller for selectively switching operation of the portable heater among at least discrete off,
pilot, low, and high positions.

17. (original) The portable heater of claim 1 which further comprises
a controller for continuous variable operation of the portable heater.

18. (original) The portable heater of claim 1 wherein
the regulator limits the pressure of an associated fuel source to approximately eleven inches water
column.

19. (original) The portable heater of claim 1 which further comprises
a thermocouple that monitors changes in temperature of a pilot flame associated with the radiant
surface.

20. (original) The portable heater of claim 1 which further comprises
a shield secured to the housing in overlapping relation to the radiant surface.

21. (original) The portable heater of claim 1 which further comprises
at least one fan to increase air circulation through said heater; and

a power source for said at least one fan.

22. (original) The portable heater of claim 21 wherein
said power source is selected from the group consisting of at least one dry cell battery, at least one
battery pack and a power cord configured to plug into a source of electricity.

23. (original) The portable heater of claim 22 wherein
said power source is rechargeable.

24. (original) The portable heater of claim 1 which further comprises
an access means to said at least one fuel source.

25. (original) The portable heater of claim 24 wherein
said access means is a door in said housing.

26. (original) The portable heater of claim 13 wherein
said at least two fuel sources are positioned on one side of said heater.

27. (original) The portable heater of claim 13 wherein
said at least two fuel sources are positioned on a rear side of said heater.

28. (original) The portable heater of claim 13 wherein
said at least two fuel sources are positioned on opposed sides of said heater.

29. (original) The portable heater of claim 13 which further comprises
an igniter for each fuel source.

30. (original) The portable heater of claim 29 which further comprises
a controller for each fuel source.

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83. (original) The portable heater of claim 1 which further comprises
at least two wheels extending from a bottom of said housing.

84. (original) The portable heater of claim 83 wherein
said at least two wheels is four wheels, each positioned at a corner of said bottom housing.
85. (original) The portable heater of claim 1 which further comprises
at least two burner assemblies.
86. (original) The portable heater of claim 85 wherein
said at least two burner assemblies are independently controlled.
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